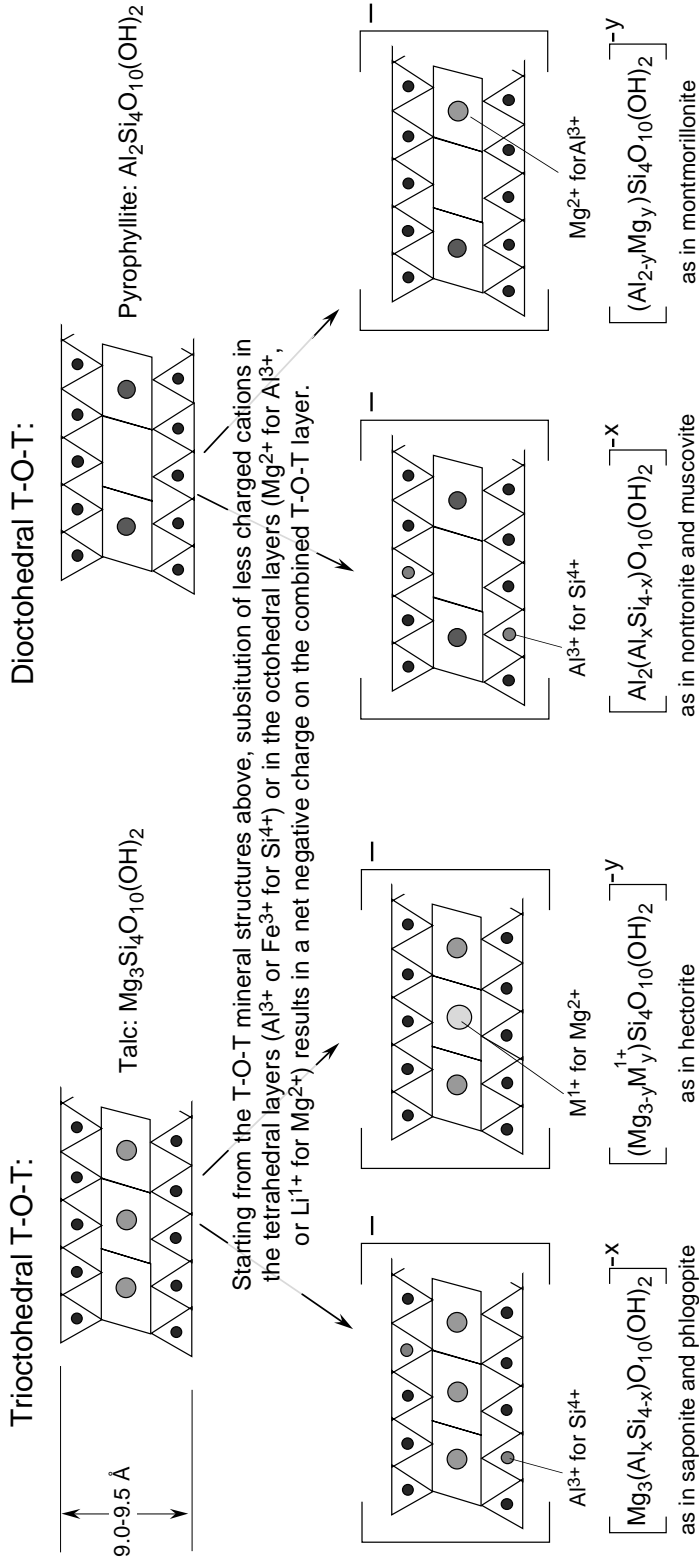
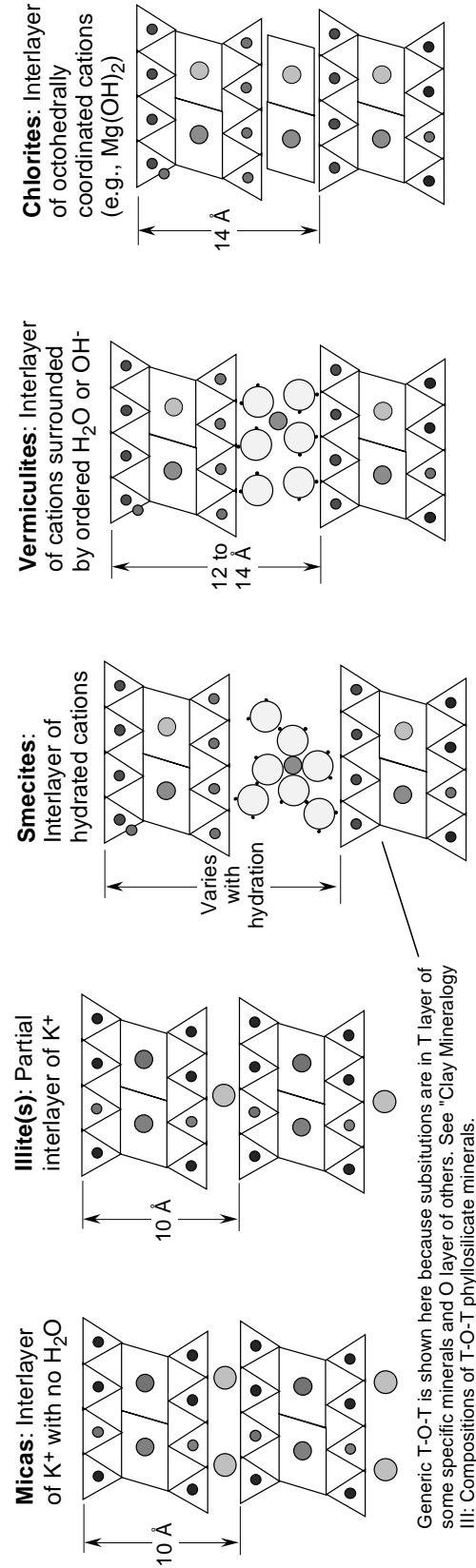


Clay Mineralogy II: T-O-T phyllosilicate minerals



The net negative charge on the T-O-T allows an interlayer cation (or more) to reside between T-O-T layers. That gives rise to these groups of minerals, each of which (except illite) includes both tetrahedral and octohedral minerals:



Generic T-O-T is shown here because substitutions are in T layer of some specific minerals and O layer of others. See "Clay Mineralogy III: Compositions of T-O-T phyllosilicate minerals."